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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/085,765	03/01/2002	Hermanus H. Van Der Meijs	0142-0377P-SP	2023

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EXAMINER
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PAPANIKOLAOU, ATHANASIOS T

ART UNIT	PAPER NUMBER
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2625

DATE MAILED: 04/18/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 10/085,765	<b>Applicant(s)</b> VAN DER MEIJS, HERMANUS H.	
	<b>Examiner</b> Athanasios Tom Papanikolaou	<b>Art Unit</b> 2625	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 21 February 2006.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-11 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## **DETAILED ACTION**

### ***Response to Amendment***

1. Applicant's amendment was received on 2/21/06, and has been entered and made of record. Currently, **claims 1-11** are pending.

With respect to the incorporation by reference, the Examiner withdraws the requested amendment. Upon further inspection, the incorporation by reference of the foreign priority application on page 1 of the present specification is in proper form.

### ***Response to Arguments***

2. Applicant's arguments, filed 2/21/06, with respect to the rejection(s) of claim(s) 1-11, cited in the Office Action dated 10/20/05, have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of Benjamin et al. (U.S. Patent 6,113,208), Siwinski et al. (U.S. Patent 6,938,976), Helterline et al. (U.S. Patent 6,039,430), and Goto et al. (U.S. Patent Application Publication 2001/0047514).

### ***Claim Rejections - 35 USC § 103***

The text of those sections of Title 35, U.S.C. Code not included in this action can be found in a prior Office action.

3. Claim(s) 1, 2, 5-8, 10, and 11 is/are rejected under 35 U.S.C. 103 (a) as being unpatentable over Benjamin (U.S. Patent 6,113,208) in view of Helterline (U.S. Patent 6,039,430).

Regarding claim(s) 1 and 6, Benjamin discloses **a method of configuring a printer, wherein a set of printing parameters is stored in a control unit of the printer, the method comprising the steps of: storing the set of printing parameters, which is adapted to a specific functional component of the printer, in a storage device addressable over the Internet at a predetermined URI (Universal Resource Identifier); and when the printer is to be configured, getting access to said URI, and downloading the set of printing parameters...**(col 3, line 31 through col 4, line 15: the ink cartridge would inherently have a URI to be able to automatically connect to a manufacture's website to download an updated print driver, which includes printing parameters, to control specific functional components of a printer).

Benjamin does not disclose expressly **...directly into the control unit of the printer.**

However, Helterline discloses **...directly into the control unit of the printer** (col 6, lines 15-23: printing parameters are, stored in and used by, the printer controller).

Benjamin and Helterline are combinable because they are from the same field of endeavor namely configuring printers through print heads.

At the time of the invention it would have been obvious to a person of ordinary skill in the art to have Benjamin's system include downloading print parameters directly into a printer's control unit, as taught by Helterline.

The suggestion or motivation for doing so would have been that Benjamin's system would provide printing parameters to the printing component (control unit) commonly associated with storing and utilizing printing parameters.

Therefore, it would have been obvious to combine the teachings of Helterline with the system of Benjamin to obtain the invention in claim(s) 1 and 6.

Regarding claim(s) 5 and 7, Benjamin and Helterline disclose the dependency of claim 1, as stated above, and Benjamin further discloses **further comprising: detecting by the control unit whether a functional component has been interchanged; and if so, initiating a download of a new set of printing parameters pertinent to the new functional component** (col 4, lines 12-15).

Regarding claim(s) 2 and 8, Benjamin and Helterline disclose the dependency of claim 1, as stated above, and Benjamin further discloses **wherein said specific URI is indicated on the functional component in a machine-readable format so as to be read automatically in the printer** (col 4, lines 7-16).

Regarding claim(s) 10, Benjamin and Helterline disclose the dependency of claim 8, as stated above, and Benjamin further discloses **wherein the ink cartridge includes a memory element in which an URI is stored in a machine-readable format** (col 4, lines 7-15: the ink cartridge would inherently have a URI in a machine-readable format to be able to automatically connect to a manufacture's website).

Regarding claim(s) 11, Benjamin and Helterline disclose the dependency of claim 8, as stated above, and Benjamin further teaches **wherein the toner cartridge**

**includes a memory element in which an URI is stored in a machine-readable format** (col 4, lines 7-15: it would be obvious for the logic of the ink cartridge to be applied to other consumable printing modules, including toner cartridges).

4. Claim(s) 3 and 4 is/are rejected under 35 U.S.C. 103 (a) as being unpatentable over Benjamin in view of Helterline further in view of Siwinski (U.S. Patent 6,938,976).

Regarding claim(s) 3, Benjamin and Helterline disclose the dependency of claim 1, as stated above, but do not disclose expressly **wherein the printing parameters are individually determined for each production series of the functional components on the basis of measurements performed on samples of the functional components for each production series, and the printing parameters for different production series are stored separately in the storage device.**

However, Siwinski discloses **wherein the printing parameters are individually determined for each production series of the functional components on the basis of measurements performed on samples of the functional components for each production series, and the printing parameters for different production series are stored separately in the storage device** (col 7, lines 43-52 and col 8, lines 15-24: each print head is polled to access printing parameters which are stored by the transceiver; printing parameters are listed on Table 1 of col 9).

Benjamin, Helterline, and Siwinski are combinable because they are from the same field of endeavor namely configuring printers through print heads.

At the time of the invention it would have been obvious to a person of ordinary skill in the art to have Benjamin and Helterline's system include determining printing parameters and storing the parameters in a external device, as taught by Siwinski.

The suggestion or motivation for doing so would have been that Benjamin and Helterline's system could provide actual usage printing parameters to the manufacture's website.

Therefore, it would have been obvious to combine the teachings of Siwinski with the system of Benjamin and Helterline to obtain the invention in claim(s) 3.

Regarding claim(s) 4, Benjamin and Helterline disclose the dependency of claim 1, as stated above, but do not disclose expressly **wherein the printing parameters comprise data and/or program code for reconfiguring the printer in accordance with the type of recording medium being used.**

However, Siwinski discloses **wherein the printing parameters comprise data and/or program code for reconfiguring the printer in accordance with the type of recording medium being used** (col 11, lines 15-24: processor adjusts printing parameters in relation to accessed information on print head; Table 3 of col 10 indicates paper property data which can be used by processor to adjust printing parameters).

Benjamin, Helterline, and Siwinski are combinable because they are from the same field of endeavor namely configuring printers through print heads.

At the time of the invention it would have been obvious to a person of ordinary skill in the art to have Benjamin and Helterline's system include reconfiguring the printer according to the recording medium, as taught by Siwinski.

The suggestion or motivation for doing so would have been that Benjamin and Helterline's system could adapt ink or toner levels to varying thickness and composition of recording mediums.

Therefore, it would have been obvious to combine the teachings of Siwinski with the system of Benjamin and Helterline to obtain the invention in claim(s) 4.

5. Claim(s) 9 is/are rejected under 35 U.S.C. 103 (a) as being unpatentable over Benjamin in view of Helterline further in view of Goto (U.S. Patent Application Publication 2001/0047514).

Regarding claim(s) 9, Benjamin and Helterline disclose the dependency of claim 6, as stated above, and Benjamin further teaches **wherein the Internet client is arranged to initiate a download of new printing parameters** (col 4, lines 7-15).

Benjamin and Helterline do not disclose expressly ...**each time a predetermined time interval has elapsed**.

However, Goto discloses ...**each time a predetermined time interval has elapsed** (paragraph 62).

Benjamin, Helterline, and Goto are combinable because they are from the same field of endeavor namely configuring computing devices, including printers.



At the time of the invention it would have been obvious to a person of ordinary skill in the art to have Benjamin and Helterline's system include downloading new parameters after a predetermined time interval elapses, as taught by Goto.

The suggestion or motivation for doing so would have been that Benjamin and Helterline's system could provide regular updates at a user's discretion.


Therefore, it would have been obvious to combine the teachings of Goto with the system of Benjamin and Helterline to obtain the invention in claim(s) 9.

### ***Conclusion***

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Athanasios Tom Papanikolaou whose telephone number is (571) 272-7953. The examiner can normally be reached on 9 a.m-5 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ed Coles can be reached on (571) 272-7402. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
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PRIMARY EXAMINER  
ART DIVISION 2625

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Athanasios Papanikolaou